

Figure 1

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BLAST search
against
SwissProt



Identify gene family

ClustalW comparison
with SwissProt top hit



Demonstrates global alignment

BLAST against non-
redundant GPCR db



Demonstrates GPCR sub-family

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```
P2U1..      RTDMQRIGDVLGSSDFRRTESTPAGSENTKDIRL
PFI-020.. LLQKLRQ-NKLGEHPAGR--KRCP-G-LN---RS
           : * : **      * : * * * *
```

Figure 3: Stimulation of PFI-020 by 2-methyl-thio-ADP

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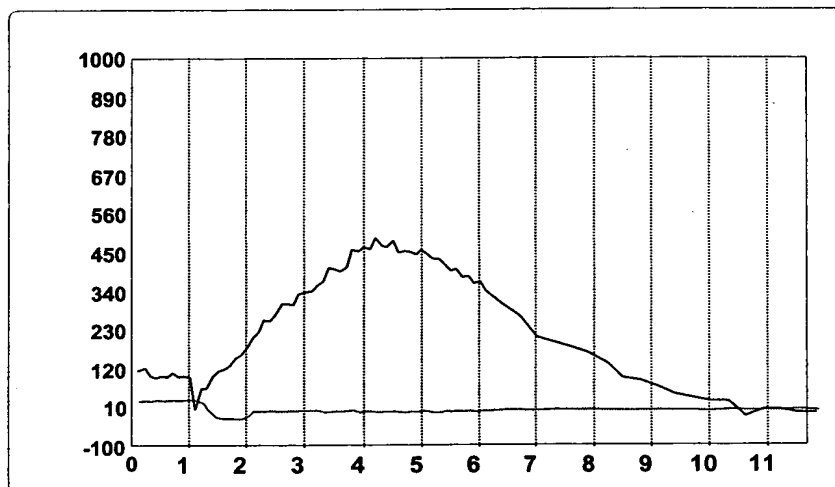
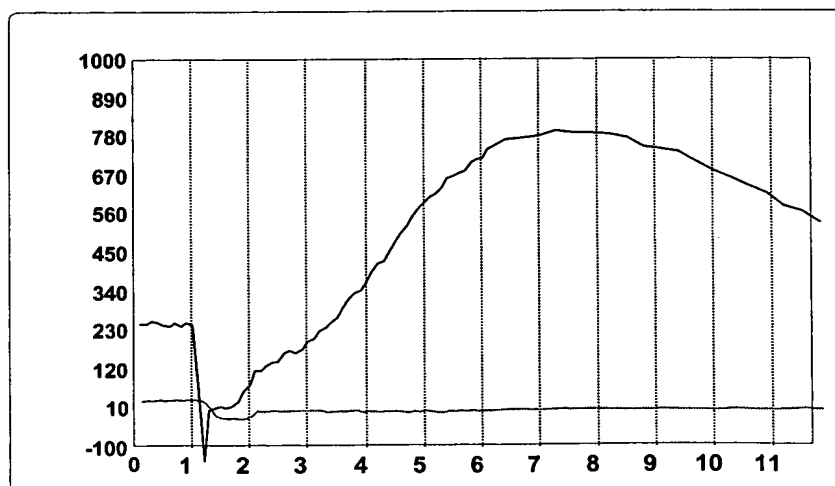
**Figure 4: Stimulation of PFI-020 by UTP**

Figure 5: Stimulation of PFI-020 by 2-chlor -ATP

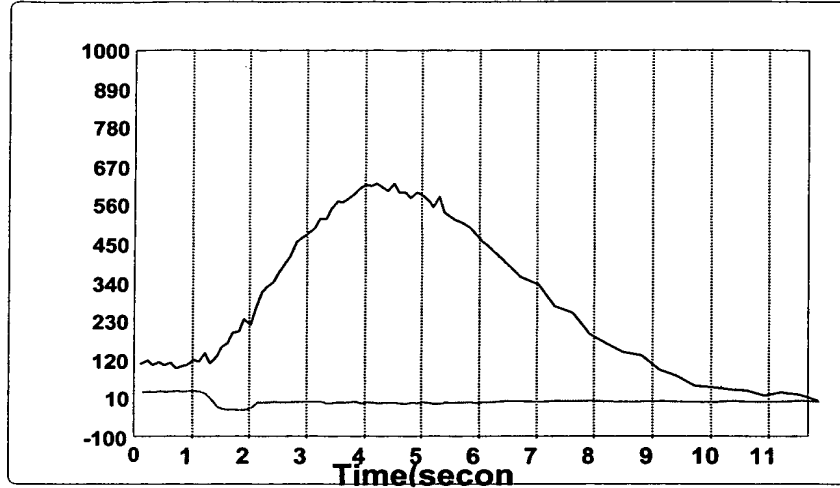


Figure 6: Stimulation of PFI-020 by 2-methyl-thio-ATP

